



**Miami-Dade County Building Department  
Permitting and Inspection Center  
11805 SW 26 Street  
Miami, FL 33175**

## **Residential\* Plan Review Checklist** *(Structural Review)*

Project Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### **Instructions for using this form:**

1. This form provides a list of code requirements that must be verified by the Building Department before the issuance of a building permit.
2. Code references are to the 2004 Florida Building Code (unless otherwise noted). Suffixes identify the code volume as follows:  
  
Building (BI) - Existing (Ex) – Fuel/Gas (Gs) - Mechanical (Me) – National Electrical Code (NEC) - Plumbing (PI) Residential (Re)
3. Provide the drawing number (Dwg. No.) where compliance with the referenced code section may be verified or check the N.A. box whenever the code provision is not applicable.

***\*Single family homes, duplexes and townhouses, as defined in 101.2 (Re).***

General Requirement	Specific Code Requirement	Code Section(s)	Dwg. No.	N.A.	Other Information
Design Criteria	Floor live load	4403.4.1 (Re )			
	Roof live load	4403.5.1 (Re)			
	Roof drainage	4403.6 (Re)			
	Concentrated loads	4403.4.2, 4403.4.3 (Re)			
	Live load reduction	4403.8 (Re)			
	Basic wind speed	4403.9.2 (Re)			
	Basic wind speed for fences	4403.2.1 (Re)			
	Wind exposure category	4403.9.3 (Re)			
	Railing loads	4403.7.3.6 (Re)			
	Ornamental projections	4403.7.6 (Re)			
	Partition loads	4403.7.7 (Re)			
	Screen enclosures	4403.12 (Re)			
	Overturning and uplift	4403.10 (Re)			
Foundations					
• Bearing capacity of soils	Identify soil bearing capacity	4404.2.1 (Re)			
	<ul style="list-style-type: none"> <li>2000 psf or less, provide statement by R.A. or P.E.</li> <li>More than 2000 psf provide soil report</li> </ul>	4404.2.2 (Re)			2000 p.s.f. or less? Y_____ N_____  If yes, refer to form RS-1 for required statement. If no, provide soil report
	Designs employing lateral bearing	4404.3.7 (Re)			
	Soil improvement	4404.18 (Re)			
• Footing options	Continuous wall footings	4404.3.2 (Re)			
	Isolated footing	4404.3.5 (Re)			
	Concrete slab on fill	4404.4 (Re)			
	• Special Inspector required	4404.4.3.1 (Re)			Identify Special Inspector, enclose Form RS-2
	Monolithic footing	4404.5 (Re)			
	Pile foundation	4404.6 – 4404.13 (Re)			
	• Special Inspector required	4404.6.1.2 (Re)			Identify Special Inspector, enclose Form RS-2

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	Foundation walls and grade beams	4404.14 (Re)			
	Retaining walls, seawalls, and bulkheads	4404.16- R4404.17 (Re)			
Concrete	Reinforced concrete	4405.1			
	Details of reinforcement	4405.8			
	Design method	ACI 318, 4405.1.5 (Re)			
	Precast concrete	4405.9 (Re)			
	<ul style="list-style-type: none"> <li>Special Inspector required</li> </ul>	4405.9.12.2 (Re)			Identify Special Inspector, enclose Form RS-2
	Pre-stressed concrete	4405.10 (Re)			
	Shotcrete	4405.11 (Re)			
	Lightweight insulating concrete	4405.12 (Re)			
	<ul style="list-style-type: none"> <li>Product approval required</li> </ul>	4405.12.2.1 (Re)			
Aluminum	Design method	4406.1, 4406.1.6, 4406.1.7 (Re)			
	Structural aluminum decking and siding	4406.1.8.2 (Re)			
	Compatible and non compatible materials	4406.1.8.4 (Re)			
Masonry	Design method	4407.1, 4407.3 (Re)			
	Unreinforced masonry units, construction details	4407.4 (Re)			
	Reinforced masonry units	4407.5 (Re)			
	<ul style="list-style-type: none"> <li>Special Inspector required</li> </ul>	4407.5.4 (Re)			Identify Special Inspector, enclose Form RS-2
Steel	Structural steel design	4408.1-4408.8 (Re)			
	<ul style="list-style-type: none"> <li>Special Inspector required</li> </ul>	4408.5.2 (Re)			Identify Special Inspector, enclose Form RS-2
	Cold-formed steel design/construction/standards	4408.9 (Re)			
	Open web steel joists design/construction/standards	4408.8 (Re)			
Wood	Design method	4409.1.1 (Re)			
	Indicate grade/strength	4409.4.1.1 (Re)			
	Vertical framing	4409.5 (Re)			
	Horizontal framing	4409.6 (Re)			
	Prefabricated wood trusses	4409.6.17.2 (Re)			
	<ul style="list-style-type: none"> <li>Special Inspector required for erection of trusses having overall bottom chord length over 35 ft or overall height over 6 ft</li> </ul>	4409.6.17.2.4.2 (Re)			Identify Special Inspector, enclose Form RS-2

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	Anchorage	4409.8 (Re)			
	Sheathing	4409.9 (Re)			
	Connectors	4409.11 (Re)			
	Wood supporting masonry	4409.12 (Re)			
	Decay and termite protection	4409.12 (Re)			
	Fire retardant treated wood	4409.14 (Re)			
	Wood fences	4409.15 (Re)			
	Wood shakes and shingles	4409.16 (Re)			
	Wood blocking	4409.17 (Re)			
Glass and Glazing	Exterior wall cladding design criteria	4410.1 (Re)			
	Windows, doors, glass and glazing	4410.2 (Re)			
	Curtain walls	4410.5 (Re)			
	Structural glazing system	4410.6 (Re)			
	<ul style="list-style-type: none"> <li>Special Inspector required</li> </ul>	4410.6.6.2 (Re)			Identify Special Inspector, enclose Form RS-2

## NOTICE TO MIAMI-DADE COUNTY BUILDING DEPARTMENT OF EMPLOYMENT AS SPECIAL INSPECTOR FORM RS-2

I (We) have been retained by \_\_\_\_\_ to perform special inspector services under the Florida Building Code at the \_\_\_\_\_ project on the below listed structures as of \_\_\_\_\_ (date). I am a registered architect or professional engineer licensed in the State of Florida.

**PROCESS NUMBERS:** \_\_\_\_\_

- ☐ SPECIAL INSPECTOR FOR PILING, FBC 1822.1.20
- ☐ SPECIAL INSPECTOR FOR TRUSSES OVER 35FT LONG OR 6FT HIGH 2319.17.2.4.2
- ☐ SPECIAL INSPECTOR FOR REINFORCED MASONRY, FBC 2122.4
- ☐ SPECIAL INSPECTOR FOR STEEL CONNECTIONS, FBC 2218.2
- ☐ SPECIAL INSPECTOR FOR SOIL COMPACTION, FBC 1820.3.1
- ☐ SPECIAL INSPECTOR FOR PRECAST UNITS & ATTACHMENTS PER FBC 1927.12
- ☐ SPECIAL INSPECTOR FOR \_\_\_\_\_

**Note: Only the marked boxes apply.**

The following individual(s) employed by this firm or me are authorized representatives to perform inspection \*

1. \_\_\_\_\_ 2. \_\_\_\_\_
3. \_\_\_\_\_ 4. \_\_\_\_\_

*\*Special Inspectors utilizing authorized representatives shall insure the authorized representative is qualified by education or licensure to perform the duties assigned by the Special Inspector. The qualifications shall include licensure as a professional engineer or architect; graduation from an engineering education program in civil or structural engineering; graduation from an architectural education program; successful completion of the NCEES Fundamentals Examination; or registration as building inspector or general contractor.*

I, (we) will notify Miami-Dade County Building Department of any changes regarding authorized personnel performing inspection services.

I, (we) understand that a Special Inspector inspection log for each building must be displayed in a convenient location on the site for reference by the Miami-Dade County Building Department Inspector. All mandatory inspections, as required by the Florida Building Code, must be performed by the County. The County building inspections must be called for on all mandatory inspections. *Inspections performed by the Special Inspector hired by the Owner are in addition to the mandatory inspections performed by the Department.* Further, upon completion of the work under each Building Permit I will submit to the Building Inspector at the time of final inspection the completed inspection log form and a sealed statement indicating that, to the best of my knowledge, belief and professional judgment those portions of the project outlined above meet the intent of the Florida Building Code and are in substantial accordance with the approved plans.

**Engineer/Architect**

**Name** \_\_\_\_\_

**(PRINT)**

**Address** \_\_\_\_\_

**Signed and Sealed** \_\_\_\_\_

**Date** \_\_\_\_\_

**Phone No.** \_\_\_\_\_